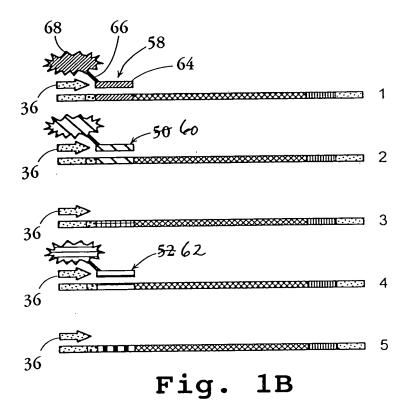
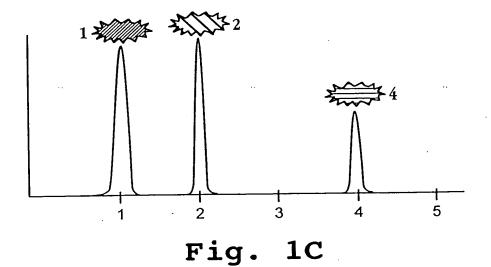


Fig. 1A





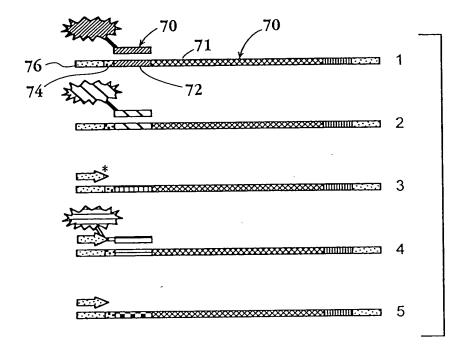


Fig. 2A

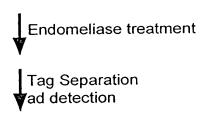


Fig. 2B

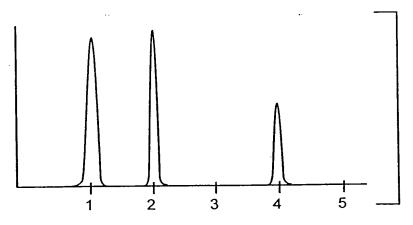
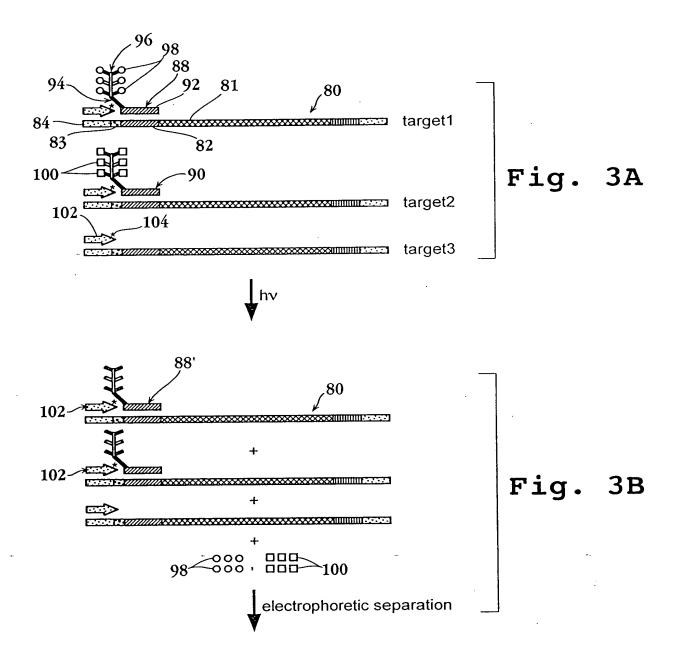
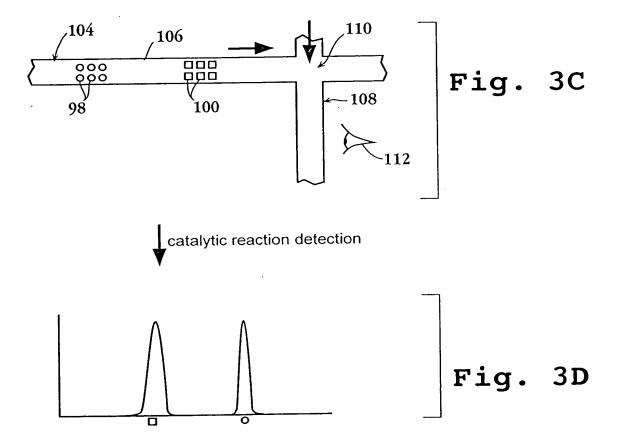


Fig. 2C





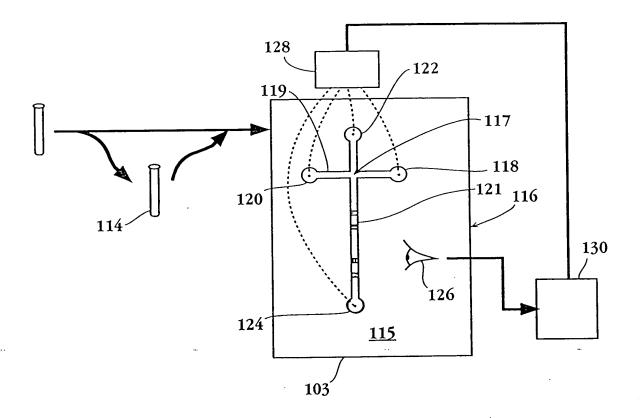


Fig. 4

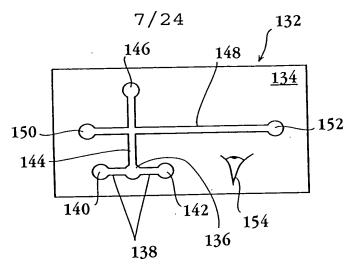


Fig. 5A

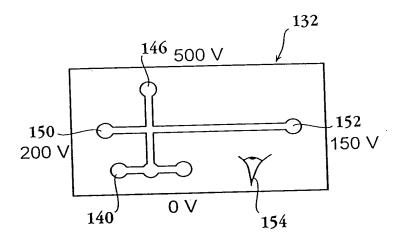


Fig. 5B

146 280 V

150
0 V

280 V

152
1000 V

Fig. 5C

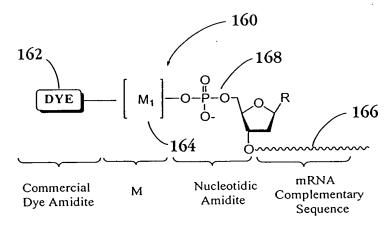


Fig. 6

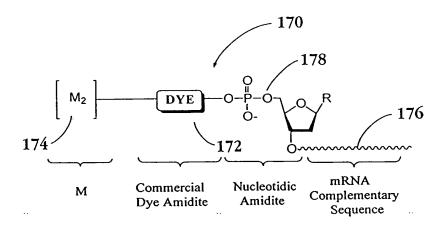
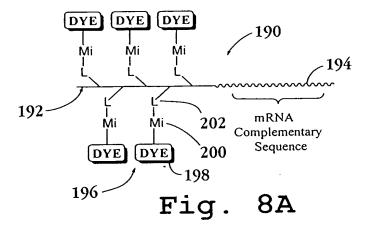


Fig. 7



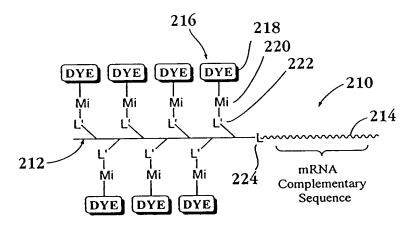


Fig. 8B

ACLA001 ACLA007 Fluorescein ACLA008 ACLA002 Fluorescein ACLA009 ACLA003 _Fluorescein ACLA004 ACLA010 _Fluorescein (dT)₃dC ACLA005 ACLA011 Fluorescein ACLA006 ACLA012 **Fluorescein**

Fig. 9A

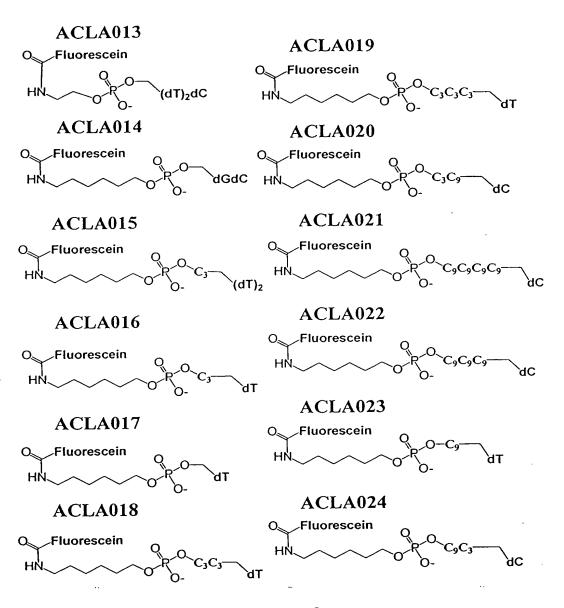
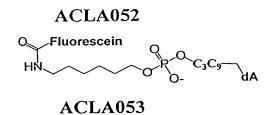


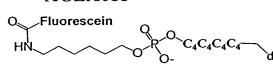
Fig. 9B

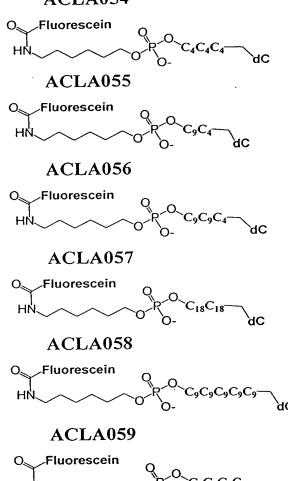
Fig. 9C

Fig. 9D

ACLA048 Fluorescein ACLA054 ACLA049 Fluorescein ACLA050 Fluorescein ACLA051 Fluorescein







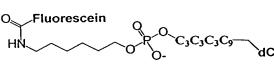


Fig. 9E

ACLA060 ACLA065 Fluorescein Fluorescein ACLA061 ACLA066 Fluorescein Fluorescein, ACLA062 ACLA067 Fluorescein Fluorescein ACLA068 ACLA063 Fluorescein Fluorescein ACLA069 ACLA064 _Fluorescein Fluorescein

Fig. 9F

Fig. 9G

Fig. 9H

ACLA089

ACLA090

Fluorescein
$$C_3C_3C_3TC_3$$
 d T C_9 C_9

ACLA091

Fluorescein
$$C_{12}T$$
 d T C_{9} C_{9} d

ACLA092

ACLA093

ACLA094

ACLA095

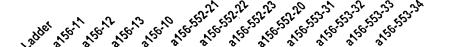
ACLA096

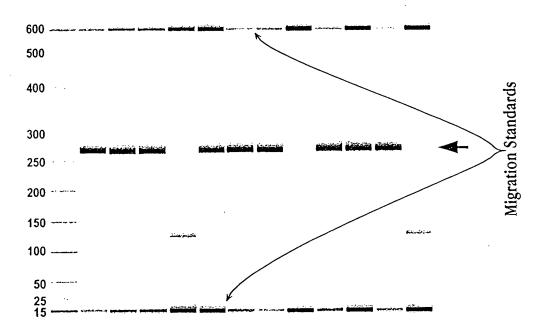
ACLA097

Fig. 9I

Fig. 9J

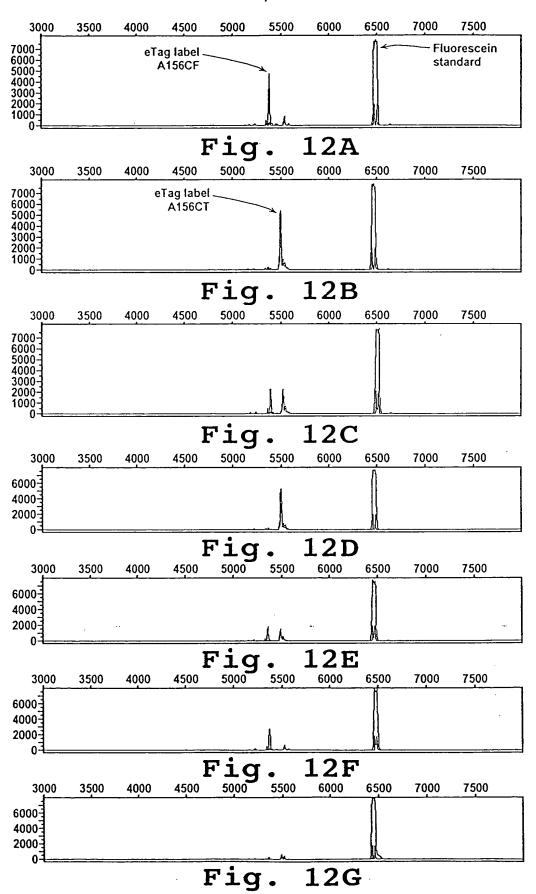
e-tag Reporter	Charge	Elution Time, min
O Fluorescein		
HN () O-P-C ₃ C ₃ C ₃ C ₃ C ₃ -	-8 dC -8	12.1*
O_Fluorescein		
$\begin{array}{c} \text{HN} & \text{O} \\ \text{O} & \text{P-O-C}_6\text{C}_6C$	C ₆ C ₆ — -9	12.7
HN (-) O-P-O-C ₆ C ₆ C ₆ C ₆ C	C ₆ —8	12.8
O_Fluorescein		
HN () O-P-O-C ₆ C ₆ C ₆ C ₆ .	7	13.1
O Fluorescein	uo .	
O Fluorescein HN O -P-O - C ₃ C ₃ C ₉ - O Fluorescein	-6	13.0
O Fluorescein O $+N$ O $-P$ O $-C_6C_6C_6$	6	13.4
5 Ö-	dC .	100
O Fluorescein	_	40.00
HN () O-P-O-C ₃ C ₃	-5 C	12.8*
O√Fluorescein		
HN () O-P-O-C ₃ C ₉	-5	13.2*
O Fluorescein	C	
O Fluorescein HN () O P O C ₉ C ₉ O Fluorescein	-5	14.8
O Fluorescein	С	
HN (-) O-P-O-TTTdC	-6	17.3
- O-		
O Fluorescein O HN () O P O TTdC	-5	17.0
O Fluorescein		
HN () 0-P-O-C ₉ dT	-4	15.2*
O Fluorescein		
HN () 0-F-O-TdC 5 0-	-4	. 16.5
Fig. 10		

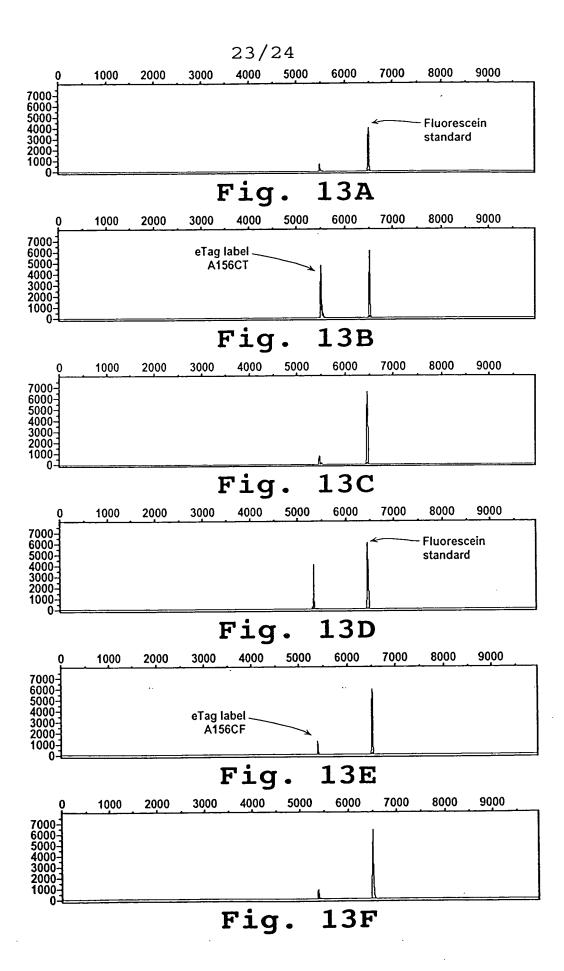




_L 1 2 3 4 5 6. 7 8 9 10 11 12 ..

Fig. 11





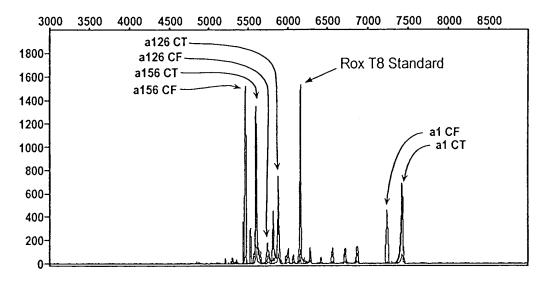


Fig. 14